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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			Complete if Known	
			Application Number	09/529,925
			Filing Date	July 30, 2000
			First Named Inventor	Elias Georges
			Group Art Unit	1653
			Examiner Name	H. Robinson
Sheet 1 of 10	Attorney Docket Number 641050.90013 (12705.4)			

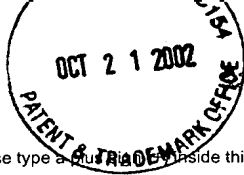
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		First Named Inventor	Elias Georges
		Group Art Unit	1653
		Examiner Name	H. Robinson
		Attorney Docket Number	641050.90013 (12705.4)
Sheet	2	of	10

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
AR		Pepinsky, R. Blake, et al., "Epidermal growth factor-dependent phosphorylation of lipocortin". Nature 321:81-84 (1986).	/
		Higgins, Christopher F. "ABC Transporters: From Microorganisms to Man". Annu. Rev. Cell Biol. 8:67-113 (1992).	/
		Lowe, Scott W. "p53-Dependent Apoptosis Modulates the Cytotoxicity of Anticancer Agents". Cell 74:957-967 (1993).	/
		Pollard, Harvey B., et al. "Ca ²⁺ -activated synexin forms highly selective, voltage-gated Ca ²⁺ channels in phosphatidylserine bilayer membranes". Proc. Natl. Acad. Sci. USA 85:2974-2978 (1968).	/
AR		Wang, Wei, et al., "Role of the Amino-Terminal Domain in Regulating Interactions of Annexin I with membranes: Effects of Amino-Terminal Truncation and Mutagenesis of the Phosphorylation Sites". Biochemistry 33:275-282 (1994).	/
		Bagetto, L.G., "Non P-glycoprotein novel proteins involved in human cancer multidrug resistance". Bull Cancer 84(4):385-390 (1997).	/
		Miller, Paul S., et al., "Oligonucleotide Inhibitors of Gene Expression in Living Cells: New Opportunities in Drug Design". Annual Reports in Medicinal Chemistry 23:295-304.	/
		Walker, J. Terrance, et al., "Isothermal in vitro amplification of DNA by a restriction enzyme/DNA polymerase system". Proc. Natl. Acad. Sci. USA 89:392-396 (1992).	/
		Kwoh, D.Y., et al., "Transcription-based amplification system and detection of amplified human immunodeficiency virus type 1 with a bead-based sandwich hybridization format". Proc. Natl. Acad. Sci. USA 86:1173-1177 (1989).	/
		Scheffer, Georges, et al., "The drug resistance-related protein LRP is the human major vault protein". Nature Medicine 1(6):578-582 (1995).	/
		Sognier, Marguerie A., et al., "Sequestration of doxorubicin in vesicles in a multidrug-resistant cell line (LZ-100)". Biochemical Pharmacology 48(2):391-401 (1994).	/

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Sheet	3	of	10	Attorney Docket Number	641050.90013 (12705.4)

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Cole, Susan P.C., et al., "Multidrug resistance associated with overexpression of MRP". Cancer Treat. Res. 87:39-62 (1996).	✓
		Nooter, K., et al., "Clinical relevance of P-Glycoprotein expression in haematological malignancies". Leukemia Research 18(4):233-243 (1994).	✓
		Flier, Jeffrey S., et al., "Multiple-drug resistance in human cancer". The New England Journal of Medicine 316(22):1388-1393 (1987).	✓
		Linn, Sabine C., et al., "Clinical and Pharmacologic Study of Multidrug Resistance Reversal with Vinblastine and Bepridil". Journal of Clinical Oncology 12(4):812-819 (1994).	✓
		Lazardi, Paul M., et al., "Exponential amplification of recombinant-RNA hybridization probes". Biotechnology 6:1197-1202 (1988).	✓
		Hijazi, Yasmine M., et al., "Immunohistochemical Detection of P-glycoprotein in Ewing's Sarcoma and peripheral Primitive Neuroectodermal Tumors before and after Chemotherapy". Anatomic Pathology 102(1):61-67 (1994).	✓
		Klohs, Wayne D., et al., "The Effect of Lysosomotropic Agents and Secretory Inhibitors on Anthracycline Retention and Activity in Multiple Drug-Resistant Cells". Molecular Pharmacology 34:180-185 (1988).	✓
		Lonn, Ulf, et al., "Intratumoral heterogeneity for amplified genes in human breast carcinoma". Int. J. Cancer 58:40-45 (1994).	✓
		Bradley, Grace et al., "Sex-Dependent and Independent Expression of the P-Glycoprotein Isoforms in Chinese Hamster". Journal of Cellular Physiology 145:398-408 (1990).	✓
		Henson, John W., et al., "P-glycoprotein expression in brain tumors". Journal of Neuro-Oncology 14:37-43 (1992).	✓
		Belloni, Paula N., et al., "Microvascular endothelial cell heterogeneity: Interactions with leukocytes and tumor cells". Cancer and Metastasis Reviews 8:353-389 (1989/1990).	✓

Examiner Signature	Date Considered
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	4	of	10
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AK		Cordon-Cardo, C., et al., "Expression of the Multidrug Resistance Gene Product (P-Glycoprotein) in Human Normal and Tumor Tissues ¹ ". The Journal of Histochemistry and Cytochemistry 38(9):1277-1287 (1990).	✓
		Georges, Elias, et al., "Modulation of ATP and Drug Binding by Monoclonal Antibodies Against P-Glycoprotein". Journal of Cellular Physiology 148:479-484 (1991).	✓
		Charpin, C., et al., "Quantitative Immuno-cytochemical Assays of P-glycoprotein in Breast Carcinomas: Correlation to Messenger RNA Expression and to Immunohistochemical Prognostic Indicators". Journal of the National Cancer Institute 86(20):1539-1546 (1994).	✓
		Cole, Susan P.C., et al., "Pharmacological Characterization of Multidrug Resistant MRP-transfected Human Tumor Cells ¹ ". Cancer Research 54:5902-5910 (1994).	✓
		Creutz, Carl E., et al., "Effects of the expression of mammalian annexins in yeast secretory mutants". Journal of Cell Science 103:1177-1192 (1992).	✓
		Raynal, Patrick, et al. "Annexins: the problem of assessing the biological role for a gene family of multifunctional calcium- and phospholipid-binding proteins". Biochimica et Biophysica Acta 1197:63-93 (1994).	✓
		Lowe, Scott W., et al., "p53 Status and the Efficacy of Cancer Therapy In Vivo". Science 266:807-810 (1994).	✓
		Doige, Carl A., et al., "Transport properties of P-glycoprotein in plasma membrane vesicles from multidrug-resistant Chinese hamster ovary cells". Biochimica et Biophysica Acta 1109:161-171 (1992).	✓
		Mirski, Shelagh E.L., et al., "Multidrug Resistance in a Human Small Cell Lung Cancer Cell Line Selected in Adriamycin ¹ ". Cancer Research 47:2594-2598 (1987).	✓
		Walker, G. Terrance, et al., "Strand displacement amplification--an isothermal, in vitro DNA amplification technique". Nucleic Acids Research 20(7):1691-1696 (1992).	✓
		Thiebaut, Franz, et al., "Cellular localization of the multidrug-resistance gene product P-glycoprotein in normal human tissues". Proc. Natl. Acad. Sci. USA 84:7735-7738 (1987).	✓

Examiner Signature		Date Considered	8/14/03
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		First Named Inventor	Elias Georges
		Group Art Unit	1653
		Examiner Name	H. Robinson
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Sheet	5	of	10

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AK		Wallner, Barbara P., et al., "Cloning and expression of human lipocortin, a phospholipase A2 inhibitor with potential anti-inflammatory activity". Nature 320:77-81 (1986).	✓
		Gottesman, Michael M., et al., "Biochemistry of Multidrug resistance mediated by the multidrug transporter1". Annu. Rev. Biochem. 62:385-427 (1993).	✓
		Laemmli, U.K., "Cleavage of Structural Proteins during the Assembly of the Head of Bacteriophage T4". Nature 227:680-685 (1970).	✓
		Shapiro, Adam B., et al., "ATPase Activity of Purified and Reconstituted P-glycoprotein from Chinese Hamster Ovary Cells". The Journal of Biological Chemistry 269(5):3745-3754 (1994).	✓
		Schinkei, Alfred H., et al., "Normal viability and altered pharmacokinetics in mice lacking mdr1-type (drug-transporting) P-glycoproteins". Proc. Natl. Acad. Sci. USA 94:4028-4033 (1997).	✓
		Lin, Hsin Chieh, et al., "Annexin VI is Required for Budding of Clathrin-coated Pits". Cell 70:283-291 (1992).	✓
		Thorgeirsson, S.S., et al., "Expression of the Multidrug-resistant Gene in Hepatocarcinogenesis and Regenerating Rat Liver2". Science 236:1120-1122 (1987).	✓
		Varticovski, Luyba, et al., "Location of Sites in Human Lipocortin I that are Phosphorylated by Protein Tyrosine Kinases and Protein Kinases A and C". Biochemistry 27:3682-3690 (1988).	✓
		Wang, Wei, et al., "Regulation of the Chromaffin Granule Aggregating Activity of Annexin I by Phosphorylation". Biochemistry 31:9934-9939 (1992).	✓
		Batist, Gerald, et al., "Overexpression of a Novel Anionic Glutathione Transferase in Multidrug-resistant Human Breast Cancer Cells". The Journal of Biological Chemistry 261(33):15544-15549 (1986).	✓
		Tew, Kenneth D., "Glutathione-associated Enzymes in Anticancer Drug Resistance1". Cancer Research 54:4313-4320 (1994).	✓

Examiner Signature		Date Considered	11/14/03
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		First Named Inventor	Elias Georges
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		Attorney Docket Number	641050.90013 (12705.4)
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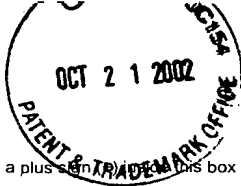
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HJR		Chan, Helen S.L., et al., "P-Glycoprotein Expression as a Predictor of the Outcome of Therapy for Neuroblastoma". The New England Journal of Medicine pp. 1608-1614 (1991).	✓
		Zaman, G.J.R., et al., "The human multidrug resistance-associated protein MRP is a plasma membrane drug-efflux pump". Proc. Natl. Acad. Sci. USA 91:8822-8826 (1994).	✓
		Pouliot, Jean-Francois, et al., "Reversal of P-Glycoprotein-Associated Multidrug Resistance by Ivermectin". Biochemical Pharmacology 53:17-25 (1997).	✓
		Schinkel, A.H., et al., "Disruption of the Mouse mdr1a P-Glycoprotein Gene Leads to a Deficiency in the Blood-Brain Barrier and to Increased Sensitivity to Drugs". Cell 77:491-502 (1994).	✓
		Fojo, A.T., et al., "Expression of a multidrug-resistance gene in human tumors and tissues". Proc. Natl. Acad. Sci. USA 84:265-269 (1987).	✓
		Abbaszadegan, Mohammad R., et al., "Evidence for Cytoplasmic P-Glycoprotein Location Associated with Increased Multidrug Resistance to Chemosensitizers". Cancer Research 56:5435-5441 (1996).	✓
		Ferguson, Peter J., "Critical Issues Relating to Clinical Drug Resistance". The Cancer Bulletin 41(1):7-13 (1989).	✓
		Beck, William T., "The cell biology of multiple drug resistance". Biochemical Pharmacology 36(18):2879-2887 (1987).	✓
		Endicott, Jane A., "The Biochemistry of P-Glycoprotein-mediated Multidrug Resistance ¹ ". Annu. Rev. Biochem. 58:137-171 (1989).	✓
		Gros, Philippe, et al., "Isolation and expression of a complementary DNA that confers multidrug resistance". Nature 323(6090):728-731 (1986).	✓
	Bradley, Grace, et al., "P-Glycoprotein Expression in Multidrug-resistant Human Ovarian Carcinoma Cell Lines ¹ ". Cancer Research 49:2790-2796 (1989).	✓	

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ck		Malek, Larry, et al., "Nucleic Acid Sequence-based Amplification (NASBATM)". Methods in Molecular Biology 28:253-261 (1994).	✓
		Raynal, Patrick, et al., "Annexins: the problem of assessing the biological role for a gene family of multifunctional calcium- and phospholipid-binding proteins". Biochimica et Biophysica Acta 1197:63-93 (1994).	✓
		Scharf, Stephen J., "Cloning with PCR". Academic Press Inc. pp. 84-91 (1990).	✓
		McGrath, Tim, et al., "Adriamycin Resistance in HL60 Cells in the Absence of Detectable P-glycoprotein". Biochemical and Biophysical Research Communications 145(3):1171-1176 (1987).	✓
		Froelich-Ammon, Stacie J., et al., "Topoisomerase Poisons: Harnessing the Dark Side of Enzyme Mechanism". The Journal of Biological Chemistry 270(87):21429-21432 (1995).	✓
		Weiss, Rick, "Hot Prospect for New Gene Amplifier". Science 254:1292-1293 (1991).	✓
		Creutz, Carl E., et al., "Identification of Chromaffin Granule-binding Proteins". The Journal of Biological Chemistry 262(4):1860-1868 (1987).	✓
		Wang, Ying, et al., "Overexpression of a 400-kDa Protein in Human Multidrug Resistant Cells". Biochemical and Biophysical Research Communizations 236:483-488 (1997).	✓
		Baker, Raymond M., et al., "Detection of P-Glycoprotein in Human Tumors". Cancer Investigation 8(2):255-256 (1990).	✓
		Bradley, Grace, et al., "Mechanism of multidrug resistance". Biochimica et Biophysica Acta 948:87-128 (1988).	✓
		Abe, Yoshiyuki, et al., "Expression of the Multidrug Resistance Gene (MDRI) in Non-small Cell Lung Cancer". Jpn. J. Cancer Res. 85:536-541 (1994).	✓

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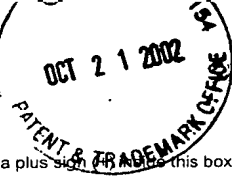
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HR		Mattern, Jurgen, et al., "Detection of Resistance Proteins in Matched Primary Lung Tumors and Lymph Node Metastases". Anticancer Research 14:417-420 (1994).	✓
		Drust, Debra S., et al., "Aggregation of chromaffin granules by calpactin at micromolar levels of calcium". Nature 331:88-91 (1988).	✓
		Lee, Jong Seok, et al., "Reduced Drug Accumulation and Multidrug Resistance in Human Breast Cancer Cells without Associated P-Glycoprotein or MRP Overexpression". Journal of Cellular Biochemistry 65:513-526 (1997).	✓
		Sehested, M., et al., "Increased plasma membrane traffic in daunorubicin resistant P388 leukaemic cells. Effect of daunorubicin and verapamil". Br. J. Cancer 56:747-751 (1987).	✓
		Towbin, Harry, et al., "Electrophoretic transfer of proteins from polyacrylamide gels to nitrocellulose sheets: Procedure and some applications". Proc. Natl. Acad. Sci. USA 76(9):4350-4354 (1979).	✓
		Tischler, David M., "Multidrug resistance gene expression in pediatric primitive neuroectodermal tumors of the central nervous system". J. Neurosurg. 76:507-512 (1992).	✓
		Creutz, Carl E., "The Annexins and Exocytosis". Science 258:924-931 (1992).	✓
		Chan, Helen S.L., "Multidrug resistance in pediatric malignancies". Hematology/Oncology Clinics of North America 9(2):275-319 (1995).	✓
		Yoshikazu Sugimoto, et al., "Molecular Cloning and Characterization of the Complementary DNA for the Mr 85,000 Protein Overexpressed in Adriamycin-resistant Human Tumor Cells ¹ ". Cancer Research 53:2538-2543 (1993).	✓
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				Application Number	09/529,925
Sheet	9	of	10	Filing Date	Julv 30. 2000
				First Named Inventor	Elias Georges
				Group Art Unit	1653
				Examiner Name	H. Robinson
				Attorney Docket Number	641050.90013 (12705.4)

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dk		Meers, Paul, et al., "Spermine as a Modulator of Membrane Fusion: Interactions with Acidic Phospholipids". Biochemistry 25:3109-3118 (1986).	/
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		Fogh, Jorgen, et al., "Human Tumor Cells In Vitro". Plenum Press, New York, pp. 155-159 (1975).	/
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		Ecker, David J. and Griffey, Richard H., "RNA as a small-molecule drug target: doubling the value of genomics". DDT 4(9):420-429 (1999).	/

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		Garrett, M.D. and Workman, P., "Discovering Novel Chemotherapeutic Drugs for the Third Millenium". Eur. J. Canc. 35(14):2010-2030 (1999).	<
		Jang, Graham R., et al., "Pharmacokinetics and Its Role in Small Molecule Drug Discovery Research". Med. Res. Rev. 21(5):382-396 (2001).	/
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		Lenz, George R., et al., "Chemical ligands, genomics and drug discovery". DDT 5(4):145-156 (2000).	/

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